



Reply Under 37 C.F.R. § 1.116
Expedited Procedure
Art Unit 2613
Serial No. 09/050,796

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Michael Sutton

Examiner: Richard Lee

Serial No. 09/050,796

Group Art Unit: 2613

Filed: March 30, 1998

For: VIDEO FLASHLIGHT AND CAMERA

MARKUP SHOWING AMENDMENT UNDER 37 C.F.R. § 1.116

RECEIVED

Hon. Commissioner of Patents
Washington, D.C. 20231

DEC 11 2002

Sir:

Technology Center 2600

Applicant respectfully this mark-up showing the claim changes made by the attached Amendment Under 37 C.F.R. § 1.116, filed in response to the Final Office Action on the above-identified application mailed by the United States Patent and Trademark Office on June 7, 2002.

In the Claims:

Claims 1, 2, 7, 12, 13, 14, 16, 19, and 20 are amended as follows:

- 1 1. A security system, comprising:
- 2 a) a handheld light source for selectively emitting a
- 3 beam of light, said light source including:

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4 1) an imager, having an optical axis generally
5 along said beam of light, for converting a first image
6 received along said optical axis into an electronic
7 image;

8 2) a transmitter, coupled to said imager, for
9 broadcasting said electronic image as a broadcast image;
10 and

11 3) a power cell, coupled to said imager and to
12 said transmitter, for providing operating power such
13 that said light source is portable; and

14 b) a remote unit, including:

15 1) a receiver for receiving said broadcast image
16 and converting it back to said electronic image; and

17 2) at least one of the following:

18 i) a monitor, coupled to said receiver, for
19 displaying said electronic image; and

20 ii) a recorder, coupled to said receiver, for
21 recording said electronic image in a format suitable for
22 recovery of said first image at a later time,

23 wherein said handheld light source is constructed
24 and arranged to concurrently generate said beam of
25 light, convert said first image into an electronic
26 image, and broadcast said electronic image as a
27 broadcast image is capable of remaining on during
28 operation of the imager.

1 2. The security system of claim 1 wherein said remote
2 unit consists essentially of ~~comprises only~~ said
3 recorder.

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1 7. The security system of claim 1 wherein
2 said handheld light source further includes a
3 microphone, coupled to said transmitter, for converting
4 sounds from a region near said light course into audio
5 signals,
6 wherein said transmitter broadcasts said audio
7 signals as audio data, and wherein said receiver
8 converts said audio data into said audio signals, and
9 wherein said monitor audibilizes said audio signals.

1 12. A method for providing security to an area,
2 comprising the steps of
3 broadcasting a series of real-time images with
4 accompanying audio signals, from each of a plurality of
5 handheld flashlights ~~at a different broadcast frequency~~
6 ~~for each flashlight, each of said handheld flashlights~~
7 constructed and arranged for emitting a flashlight beam,
8 and each of said handheld flashlights having a an
9 ~~integrated~~ video camera and microphone coupled to a
10 transmitter, said video camera having defining an
11 optical axis generally along said flashlight beam,
12 wherein said series of real-time images are captured
13 correspond to a series of optical images detected by
14 said integrated-video camera concurrent with said
15 emitting a flashlight beam;
16 receiving said series of real-time images and audio
17 signals from ~~a selected at least~~ one of said plurality
18 of flashlights as a received series at a remote
19 receiver; and

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20 capturing said received series of real-time images
21 by selecting at least one of the following steps:
22 displaying said received series of real-time images
23 on a monitor coupled to said receiver while concurrently
24 audibilizing said audio signals; and
25 recording said received series of real-time images
26 in a format suitable recovery of said real-time images
27 at a later time.

1 13. A method for providing security to an area,
2 comprising the steps of:
3 equipping at least two of a team of security
4 officers with a plurality of flashlights, the flashlight
5 including an integrated wireless video camera and a
6 microphone coupled to a transmitter, each flashlight
7 constructed for to emitting a beam of light concurrent
8 with said integrated wireless video detecting an image
9 along an optical axis oriented generally along said beam
10 of light;

11 broadcasting a series of real-time images with
12 accompanying audio signals from the at least one of said
13 flashlights at a different channel, wherein each
14 flashlight includes an integrated wireless video camera
15 and microphone coupled to a transmitter, and wherein
16 each said series of real-time images is captured by said
17 integrated wireless video camera concurrent with said
18 generation of said beam of light from a field of view
19 along an optical axis oriented generally along said beam
20 of light;

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21 receiving a ~~selected one of~~ said series of real-
22 time images and audio signals at a receiver operated at
23 a remote location wherein a team member of said security
24 team is located; and

25 capturing ~~said selected one of~~ said series of real-
26 time images by selecting at least one of the following
27 steps:

28 1) displaying to said team member said series
29 of real-time images by use of a monitor coupled to said
30 receiver, and audibilizing said audio signals to said
31 team member while displaying said selected one of said
32 series of real-time images; and

33 2) recording, by use of a recorder coupled to
34 said receiver, ~~said selected one of~~ said series of real-
35 time images in a format for later recovery and display
36 by said team member.

1 14. The security providing method of claim 13 further
2 comprising the steps of:

3 rebroadcasting said series of real-time images and
4 audio signals by use of a repeater coupled to said
5 receiver;

6 receiving said rebroadcast series of real-time
7 images and audio signals by use of a second receiver
8 operated at a second remote location wherein a second
9 team member of said security officers is located;

10 displaying to said second team member said series
11 of real-time images by use of a second monitor coupled
12 to said second receiver; and

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13 audibilizing said audio signals to said second team
14 member while displaying said series of real-time images.

1 16. The security system of claim 1 wherein the handheld
2 light source further includes a laser pointer ~~capable of~~
3 ~~emitting~~ ~~constructed and arranged to emit~~ a laser beam
4 oriented along a field-of-view of said imager and
5 wherein said laser pointer is constructed and arranged
6 to operate ~~operable~~ independently of said imager and
7 said handheld light source.

1 19. The security system of claim 18 wherein said repeater
2 is constructed and arranged to ~~capable of~~ rebroadcasting
3 said broadcast image at a power level to the other
4 receiver, said power level greater than another power
5 level at which said transmitter broadcasts said
6 electronic image as a broadcast signal.

1 20. The security system of claim 1 wherein said handheld
2 light source further includes a microphone, coupled to
3 said transmitter, constructed and arranged to ~~capable of~~
4 converting a sound into an audio signal,
5 wherein said transmitter is constructed and
6 arranged to combine said audio signal and said
7 electronic image ~~are combined~~ into a combined signal,
8 ~~wherein~~ ~~said~~ ~~transmitter~~ ~~is~~ ~~capable of~~ and to
9 broadcasting said combined signal, ~~in place of~~ said
10 broadcast image,
11 wherein said receiver is constructed and arranged
12 to ~~capable of~~ receiveing said combined signal and

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13 converting it back to said an audio signal and said an
14 electronic image.

Respectfully submitted,
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4 1) an imager, having an optical axis generally
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6 received along said optical axis into an electronic
7 image;

8 2) a transmitter, coupled to said imager, for
9 broadcasting said electronic image as a broadcast image;
10 and

11 3) a power cell, coupled to said imager and to
12 said transmitter, for providing operating power such
13 that said light source is portable; and

14 b) a remote unit, including:

15 1) a receiver for receiving said broadcast image
16 and converting it back to said electronic image; and

17 2) at least one of the following:

18 i) a monitor, coupled to said receiver, for
19 displaying said electronic image; and

20 ii) a recorder, coupled to said receiver, for
21 recording said electronic image in a format suitable for
22 recovery of said first image at a later time,

23 wherein said handheld light source is constructed
24 and arranged to concurrently generate said beam of
25 light, convert said first image into an electronic
26 image, and broadcast said electronic image as a
27 broadcast image is capable of remaining on during
28 operation of the imager.

1 2. The security system of claim 1 wherein said remote
2 unit consists essentially of ~~comprises only~~ said
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2 said handheld light source further includes a
3 microphone, coupled to said transmitter, for converting
4 sounds from a region near said light course into audio
5 signals,

6 wherein said transmitter broadcasts said audio
7 signals as audio data, and wherein said receiver
8 converts said audio data into ~~said~~ audio signals, and
9 wherein said monitor audibilizes said audio signals.

1 12. A method for providing security to an area,
2 comprising the steps of
3 broadcasting a series of real-time images with
4 accompanying audio signals, from each of a plurality of
5 handheld flashlights ~~at a different broadcast frequency~~
6 ~~for each flashlight, each of said handheld flashlights~~
7 ~~constructed and arranged for emitting a flashlight beam,~~
8 ~~and each of said handheld flashlights having a~~ an
9 ~~integrated~~ video camera and microphone coupled to a
10 transmitter, said video camera having defining an
11 optical axis generally along said flashlight beam,
12 wherein said series of real-time images are captured
13 correspond to a series of optical images detected by
14 said integrated-video camera concurrent with said
15 emitting a flashlight beam;

16 receiving said series of real-time images and audio
17 signals from ~~a selected~~ at least one of said plurality
18 of flashlights as a received series at a remote
19 receiver; and

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20 capturing said received series of real-time images
21 by selecting at least one of the following steps:
22 displaying said received series of real-time images
23 on a monitor coupled to said receiver while concurrently
24 audibilizing said audio signals; and
25 recording said received series of real-time images
26 in a format suitable recovery of said real-time images
27 at a later time.

1 13. A method for providing security to an area,
2 comprising the steps of:
3 equipping at least two of a team of security
4 officers with a plurality of flashlights, the flashlight
5 including an integrated wireless video camera and a
6 microphone coupled to a transmitter, each flashlight
7 constructed for to emitting a beam of light concurrent
8 with said integrated wireless video detecting an image
9 along an optical axis oriented generally along said beam
10 of light;

11 broadcasting a series of real-time images with
12 accompanying audio signals from the at least one of said
13 flashlights at a different channel, wherein each
14 flashlight includes an integrated wireless video camera
15 and microphone coupled to a transmitter, and wherein
16 each said series of real-time images is captured by said
17 integrated wireless video camera concurrent with said
18 generation of said beam of light from a field of view
19 along an optical axis oriented generally along said beam
20 of light;

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21 receiving a ~~selected one of~~ said series of real-
22 time images and audio signals at a receiver operated at
23 a remote location wherein a team member of said security
24 team is located; and

25 capturing ~~said selected one of~~ said series of real-
26 time images by selecting at least one of the following
27 steps:

28 1) displaying to said team member said series
29 of real-time images by use of a monitor coupled to said
30 receiver, and audibilizing said audio signals to said
31 team member while displaying said selected one of said
32 series of real-time images; and

33 2) recording, by use of a recorder coupled to
34 said receiver, ~~said selected one of~~ said series of real-
35 time images in a format for later recovery and display,
36 by said team member.

1 14. The security providing method of claim 13 further
2 comprising the steps of:

3 rebroadcasting said series of real-time images and
4 audio signals by use of a repeater coupled to said
5 receiver;

6 receiving said rebroadcast series of real-time
7 images and audio signals by use of a second receiver
8 operated at a second remote location wherein a second
9 team member of said security officers is located;

10 displaying to said second team member said series
11 of real-time images by use of a second monitor coupled
12 to said second receiver; and

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13 audibilizing said audio signals to said second team
14 member while displaying said series of real-time images.

1 16. The security system of claim 1 wherein the handheld
2 light source further includes a laser pointer ~~capable of~~
3 ~~emitting~~ constructed and arranged to emit a laser beam
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6 electronic image as a broadcast signal.

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2 light source further includes a microphone, coupled to
3 said transmitter, constructed and arranged to ~~capable of~~
4 converting a sound into an audio signal,
5 wherein said transmitter is constructed and
6 arranged to combine said audio signal and said
7 electronic image ~~are combined~~ into a combined signal,
8 wherein ~~said~~ transmitter ~~is capable of~~ and to
9 broadcasting said combined signal, ~~in place of~~ said
10 broadcast image,
11 wherein said receiver is constructed and arranged
12 to ~~capable of~~ receive~~ing~~ said combined signal and

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13 converting it back to said an audio signal and said an
14 electronic image.

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